

R, System, and Packages Details

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Short Introduction

This document details the system information, package versions and R environment information that was used to run these analyses on.

Show package versions

```
package_versions <- installed.packages()
print(package_versions[, c("Package", "Version")])
```

##	Package	Version
## abind	"abind"	"1.4-5"
## AER	"AER"	"1.2-10"
## AsioHeaders	"AsioHeaders"	"1.22.1-2"
## askpass	"askpass"	"1.1"
## backports	"backports"	"1.4.1"
## base64enc	"base64enc"	"0.1-3"
## bayestestR	"bayestestR"	"0.13.1"
## bdsmatrix	"bdsmatrix"	"1.3-6"
## bibtex	"bibtex"	"0.5.1"
## bigD	"bigD"	"0.2.0"
## bit	"bit"	"4.0.5"
## bit64	"bit64"	"4.0.5"
## bitops	"bitops"	"1.0-7"
## blob	"blob"	"1.2.4"
## blogdown	"blogdown"	"1.16"
## bookdown	"bookdown"	"0.34"
## brew	"brew"	"1.0-8"
## brio	"brio"	"1.1.3"
## broom	"broom"	"1.0.4"
## bslib	"bslib"	"0.4.2"
## cachem	"cachem"	"1.0.8"
## callr	"callr"	"3.7.3"
## car	"car"	"3.1-2"
## carData	"carData"	"3.0-5"
## cawd	"cawd"	"0.0.0.1000"
## cellranger	"cellranger"	"1.1.0"
## checkmate	"checkmate"	"2.2.0"

## chromote	"chromote"	"0.1.1.9001"
## chron	"chron"	"2.3-61"
## classInt	"classInt"	"0.4-9"
## cli	"cli"	"3.6.1"
## Clio	"Clio"	"0.0.0.9000"
## clipr	"clipr"	"0.8.0"
## collapse	"collapse"	"1.9.5"
## colorspace	"colorspace"	"2.1-0"
## commonmark	"commonmark"	"1.9.0"
## conflicted	"conflicted"	"1.2.0"
## countrycode	"countrycode"	"1.5.0"
## cowplot	"cowplot"	"1.1.1"
## cpp11	"cpp11"	"0.4.3"
## crayon	"crayon"	"1.5.2"
## credentials	"credentials"	"1.3.2"
## crosstalk	"crosstalk"	"1.2.0"
## curl	"curl"	"5.0.0"
## data.table	"data.table"	"1.14.8"
## dataverse	"dataverse"	"0.3.13"
## datawizard	"datawizard"	"0.7.1"
## DBI	"DBI"	"1.1.3"
## dbplyr	"dbplyr"	"2.3.2"
## dcurver	"dcurver"	"0.9.2"
## democracyData	"democracyData"	"0.5.0"
## Deriv	"Deriv"	"4.1.3"
## desc	"desc"	"1.4.2"
## devtools	"devtools"	"2.4.5"
## dichromat	"dichromat"	"2.0-0.1"
## diffobj	"diffobj"	"0.3.5"
## digest	"digest"	"0.6.31"
## downlit	"downlit"	"0.4.2"
## dplyr	"dplyr"	"1.1.2"
## dreamerr	"dreamerr"	"1.2.3"
## DT	"DT"	"0.28"
## dtplyr	"dtplyr"	"1.3.1"
## e1071	"e1071"	"1.7-13"
## ellipsis	"ellipsis"	"0.3.2"
## evaluate	"evaluate"	"0.21"
## fansi	"fansi"	"1.0.4"
## farver	"farver"	"2.1.1"
## fastmap	"fastmap"	"1.1.1"
## fixest	"fixest"	"0.11.1"
## fontawesome	"fontawesome"	"0.5.1"
## forcats	"forcats"	"1.0.0"
## Formula	"Formula"	"1.2-5"
## fs	"fs"	"1.6.2"
## fuzzyjoin	"fuzzyjoin"	"0.1.6"
## gargle	"gargle"	"1.4.0"
## gdata	"gdata"	"2.19.0"
## generics	"generics"	"0.1.3"
## geojsonsf	"geojsonsf"	"2.0.3"
## geometries	"geometries"	"0.2.2"
## geosphere	"geosphere"	"1.5-18"
## gert	"gert"	"1.9.2"

## ggplot2	"ggplot2"	"3.4.2"
## gh	"gh"	"1.4.0"
## gitcreds	"gitcreds"	"0.1.2"
## glue	"glue"	"1.6.2"
## googledrive	"googledrive"	"2.1.0"
## googlesheets4	"googlesheets4"	"1.1.0"
## GPArotation	"GPArotation"	"2023.3-1"
## gridExtra	"gridExtra"	"2.3"
## gt	"gt"	"0.9.0"
## gtable	"gtable"	"0.3.3"
## gtools	"gtools"	"3.9.4"
## haven	"haven"	"2.5.2"
## highr	"highr"	"0.10"
## Hmisc	"Hmisc"	"5.1-0"
## hms	"hms"	"1.1.3"
## htmlTable	"htmlTable"	"2.4.1"
## htmltools	"htmltools"	"0.5.5"
## htmlwidgets	"htmlwidgets"	"1.6.2"
## httpuv	"httpuv"	"1.6.10"
## httr	"httr"	"1.4.5"
## httr2	"httr2"	"0.2.2"
## ids	"ids"	"1.0.1"
## ImportExport	"ImportExport"	"1.3"
## ini	"ini"	"0.3.1"
## insight	"insight"	"0.19.1"
## isoband	"isoband"	"0.2.7"
## ivreg	"ivreg"	"0.6-2"
## janitor	"janitor"	"2.2.0"
## jquerylib	"jquerylib"	"0.1.4"
## jsonify	"jsonify"	"1.2.2"
## jsonlite	"jsonlite"	"1.8.4"
## juicyjuice	"juicyjuice"	"0.1.0"
## kableExtra	"kableExtra"	"1.3.4"
## knitr	"knitr"	"1.42"
## labeling	"labeling"	"0.4.2"
## later	"later"	"1.3.1"
## latex2exp	"latex2exp"	"0.9.6"
## lazyeval	"lazyeval"	"0.2.2"
## leafem	"leafem"	"0.2.0"
## leaflet	"leaflet"	"2.1.2"
## leaflet.providers	"leaflet.providers"	"1.9.0"
## leafsync	"leafsync"	"0.1.0"
## lifecycle	"lifecycle"	"1.0.3"
## lme4	"lme4"	"1.1-33"
## lmtest	"lmtest"	"0.9-40"
## lubridate	"lubridate"	"1.9.2"
## lwgeom	"lwgeom"	"0.2-11"
## magick	"magick"	"2.7.4"
## magrittr	"magrittr"	"2.0.3"
## markdown	"markdown"	"1.6"
## Matrix	"Matrix"	"1.5-4"
## MatrixModels	"MatrixModels"	"0.5-1"
## maxLik	"maxLik"	"1.5-2"
## memoise	"memoise"	"2.0.1"

## mime	"mime"	"0.12"
## miniUI	"miniUI"	"0.1.1.1"
## minqa	"minqa"	"1.2.5"
## mirt	"mirt"	"1.39"
## miscTools	"miscTools"	"0.6-28"
## modelr	"modelr"	"0.1.11"
## modelsummary	"modelsummary"	"1.4.0"
## munsell	"munsell"	"0.5.0"
## nloptr	"nloptr"	"2.0.3"
## nnls	"nnls"	"1.4"
## numDeriv	"numDeriv"	"2016.8-1.1"
## odbc	"odbc"	"1.3.4"
## openssl	"openssl"	"2.0.6"
## packrat	"packrat"	"0.9.1"
## pacman	"pacman"	"0.5.1"
## pagedown	"pagedown"	"0.20"
## parameters	"parameters"	"0.21.0"
## pbapply	"pbapply"	"1.7-0"
## pbkrtest	"pbkrtest"	"0.5.2"
## performance	"performance"	"0.10.3"
## permute	"permute"	"0.9-7"
## pillar	"pillar"	"1.9.0"
## pkgbuild	"pkgbuild"	"1.4.0"
## pkgconfig	"pkgconfig"	"2.0.3"
## pkgdown	"pkgdown"	"2.0.7"
## pkgload	"pkgload"	"1.3.2"
## plm	"plm"	"2.6-3"
## plyr	"plyr"	"1.8.8"
## png	"png"	"0.1-8"
## poibin	"poibin"	"1.5"
## pracma	"pracma"	"2.4.2"
## praise	"praise"	"1.0.0"
## prettyunits	"prettyunits"	"1.1.1"
## processx	"processx"	"3.8.1"
## profvis	"profvis"	"0.3.8"
## progress	"progress"	"1.2.2"
## promises	"promises"	"1.2.0.1"
## proxy	"proxy"	"0.4-27"
## ps	"ps"	"1.7.5"
## purrr	"purrr"	"1.0.1"
## quadprog	"quadprog"	"1.5-8"
## quantreg	"quantreg"	"5.95"
## quarto	"quarto"	"1.2"
## R6	"R6"	"2.5.1"
## ragg	"ragg"	"1.2.5"
## rapidjsonr	"rapidjsonr"	"1.2.0"
## rappdirs	"rappdirs"	"0.3.3"
## raster	"raster"	"3.6-20"
## rbibutils	"rbibutils"	"2.2.13"
## rcmdcheck	"rcmdcheck"	"1.4.0"
## RColorBrewer	"RColorBrewer"	"1.1-3"
## Rcpp	"Rcpp"	"1.0.10"
## RcppArmadillo	"RcppArmadillo"	"0.12.4.0.0"
## RcppEigen	"RcppEigen"	"0.3.3.9.3"

## Rdpack	"Rdpack"	"2.4"
## rdrobust	"rdrobust"	"2.1.1"
## reactable	"reactable"	"0.4.4"
## reactR	"reactR"	"0.4.4"
## readr	"readr"	"2.1.4"
## readxl	"readxl"	"1.4.2"
## RefManageR	"RefManageR"	"1.4.0"
## rematch	"rematch"	"1.0.1"
## rematch2	"rematch2"	"2.1.2"
## remotes	"remotes"	"2.4.2"
## renderthis	"renderthis"	"0.2.0"
## reprex	"reprex"	"2.0.2"
## rlang	"rlang"	"1.1.1"
## rmarkdown	"rmarkdown"	"2.21"
## robomint	"robomint"	"1.0.6"
## RODBC	"RODBC"	"1.3-20"
## roxygen2	"roxygen2"	"7.2.3"
## rprojroot	"rprojroot"	"2.0.3"
## rsconnect	"rsconnect"	"0.8.29"
## rstudioapi	"rstudioapi"	"0.14"
## rversions	"rversions"	"2.1.2"
## rvest	"rvest"	"1.0.3"
## s2	"s2"	"1.1.3"
## sandwich	"sandwich"	"3.0-2"
## sass	"sass"	"0.4.6"
## scales	"scales"	"1.2.1"
## selectr	"selectr"	"0.4-2"
## servr	"servr"	"0.27"
## sessioninfo	"sessioninfo"	"1.2.2"
## sf	"sf"	"1.0-12"
## sfheaders	"sfheaders"	"0.4.2"
## shiny	"shiny"	"1.7.4"
## snakecase	"snakecase"	"0.11.0"
## sourcetools	"sourcetools"	"0.1.7-1"
## sp	"sp"	"1.6-0"
## SparseM	"SparseM"	"1.81"
## stars	"stars"	"0.6-1"
## stringdist	"stringdist"	"0.9.10"
## stringi	"stringi"	"1.7.12"
## stringr	"stringr"	"1.5.0"
## svglite	"svglite"	"2.1.1"
## sys	"sys"	"3.4.1"
## systemfonts	"systemfonts"	"1.0.4"
## tables	"tables"	"0.9.17"
## terra	"terra"	"1.7-29"
## testthat	"testthat"	"3.1.8"
## textshaping	"textshaping"	"0.3.6"
## tibble	"tibble"	"3.2.1"
## tidyr	"tidyr"	"1.3.0"
## tidyselect	"tidyselect"	"1.2.0"
## tidyverse	"tidyverse"	"2.0.0"
## timechange	"timechange"	"0.2.0"
## tinytex	"tinytex"	"0.45"
## tmap	"tmap"	"3.3-3"

## tmaptools	"tmaptools"	"3.1-1"
## tzdb	"tzdb"	"0.3.0"
## units	"units"	"0.8-2"
## urlchecker	"urlchecker"	"1.0.1"
## usethis	"usethis"	"2.1.6"
## utf8	"utf8"	"1.2.3"
## uuid	"uuid"	"1.1-0"
## V8	"V8"	"4.3.0"
## vctr	"vctr"	"0.6.2"
## vegan	"vegan"	"2.6-4"
## viridis	"viridis"	"0.6.3"
## viridisLite	"viridisLite"	"0.4.2"
## vroom	"vroom"	"1.6.3"
## waldo	"waldo"	"0.5.0"
## wbstats	"wbstats"	"1.0.4"
## webshot	"webshot"	"0.5.4"
## websocket	"websocket"	"1.4.1"
## whisker	"whisker"	"0.4.1"
## widgetframe	"widgetframe"	"0.3.1"
## withr	"withr"	"2.5.0"
## wk	"wk"	"0.7.3"
## writexl	"writexl"	"1.4.2"
## xaringan	"xaringan"	"0.28"
## xfun	"xfun"	"0.39"
## XML	"XML"	"3.99-0.14"
## xml2	"xml2"	"1.3.4"
## xopen	"xopen"	"1.0.0"
## xtable	"xtable"	"1.8-4"
## yaml	"yaml"	"2.3.7"
## zip	"zip"	"2.3.0"
## zoo	"zoo"	"1.8-12"
## base	"base"	"4.1.2"
## boot	"boot"	"1.3-28"
## class	"class"	"7.3-20"
## cluster	"cluster"	"2.1.2"
## codetools	"codetools"	"0.2-18"
## compiler	"compiler"	"4.1.2"
## datasets	"datasets"	"4.1.2"
## foreign	"foreign"	"0.8-82"
## graphics	"graphics"	"4.1.2"
## grDevices	"grDevices"	"4.1.2"
## grid	"grid"	"4.1.2"
## KernSmooth	"KernSmooth"	"2.23-20"
## lattice	"lattice"	"0.20-45"
## MASS	"MASS"	"7.3-55"
## Matrix	"Matrix"	"1.4-0"
## methods	"methods"	"4.1.2"
## mgcv	"mgcv"	"1.8-39"
## nlme	"nlme"	"3.1-155"
## nnet	"nnet"	"7.3-17"
## parallel	"parallel"	"4.1.2"
## rpart	"rpart"	"4.1.16"
## spatial	"spatial"	"7.3-15"
## splines	"splines"	"4.1.2"

```
## stats          "stats"          "4.1.2"
## stats4         "stats4"         "4.1.2"
## survival       "survival"       "3.2-13"
## tcltk          "tcltk"         "4.1.2"
## tools          "tools"         "4.1.2"
## utils          "utils"         "4.1.2"
```

Show R environment information

```
sessionInfo()
```

```
## R version 4.1.2 (2021-11-01)
## Platform: x86_64-pc-linux-gnu (64-bit)
## Running under: Linux Mint 21.1
##
## Matrix products: default
## BLAS:   /usr/lib/x86_64-linux-gnu/blas/libblas.so.3.10.0
## LAPACK: /usr/lib/x86_64-linux-gnu/lapack/liblapack.so.3.10.0
##
## locale:
##  [1] LC_CTYPE=en_US.UTF-8      LC_NUMERIC=C
##  [3] LC_TIME=en_US.UTF-8      LC_COLLATE=en_US.UTF-8
##  [5] LC_MONETARY=nl_NL.UTF-8  LC_MESSAGES=en_US.UTF-8
##  [7] LC_PAPER=nl_NL.UTF-8     LC_NAME=C
##  [9] LC_ADDRESS=C             LC_TELEPHONE=C
## [11] LC_MEASUREMENT=nl_NL.UTF-8 LC_IDENTIFICATION=C
##
## attached base packages:
## [1] stats      graphics  grDevices  utils      datasets  methods    base
##
## loaded via a namespace (and not attached):
##  [1] compiler_4.1.2  fastmap_1.1.1   cli_3.6.1      tools_4.1.2
##  [5] htmltools_0.5.5 rstudioapi_0.14 yaml_2.3.7      rmarkdown_2.21
##  [9] knitr_1.42      xfun_0.39       digest_0.6.31  rlang_1.1.1
## [13] evaluate_0.21
```

Show system information

```
Sys.info()
```

```
##                               sysname
##                               "Linux"
##                               release
##                               "5.15.0-76-generic"
##                               version
## "#83-Ubuntu SMP Thu Jun 15 19:16:32 UTC 2023"
##                               nodename
##                               "baswork-HP-EliteBook-830-G8-Notebook-PC"
```

```
##          machine
##          "x86_64"
##          login
##          "unknown"
##          user
##          "baswork"
## effective_user
##          "baswork"
```